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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1909)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Atkinson, G. F.** The perfect stage of leaf-spot of pear and quince. Science II. 30: 452. 1 O 1909.

**Barnhart, J. H.** Some American botanists of former days. Jour. N. Y. Bot. Gard. 10: 177-190. *pl.* 63, 64. Au 1909.

**Bastin, E. S., & Davis, C. A.** Peat deposits of Maine. U. S. Geol. Surv. Bull. 376: 1-127. *f.* 1-20 + *map.* 1909.

**Benedict, R. C.** The genus *Ceratopteris*: a preliminary revision. Bull. Torrey Club 36: 463-476. *f.* 1-3. 3 S 1909.  
*C. deltoidea* proposed as new, from Jamaica.

**Bessey, C. E.** Notes on some foreign forests. Conservation 15: 533-537. S 1909. [Illust.]

**Borge, O.** Nordamerikanische Süßwasseralgen. Ark. Bot. 8<sup>13</sup>: 1-29. *pl.* 1. 18 Je 1909.

**Brues, C. T., & Brues, B. B.** Notes on some far northern grasses. Bull. Nat. Hist. Soc. Wisconsin 7: 78. Ap 1909.

**Butler, B. T.** The western American birches. Bull. Torrey Club 36: 421-440. *f.* 1-17. 3 S 1909.  
Includes 7 new species.

**C[lute], W. N.** Rare forms of ferns—XI. A forked ebony fern. Fern Bull. 17: 88, 89. [S] 1909.

**Coker, W. C.** *Lycopodium adpressum* forma *polyclavatum* from South Carolina. Fern Bull. 17: 83-85. [S] 1909.

- Drummond, J. R.** *Agave Wrightii*. Curt. Bot. Mag. IV. 5: *pl.* 8271. Au 1909.
- Duncan, L. N.** Natural alternation of vegetation in its relation to permanent pasturage. Plant World 12: 181, 182. [S] 1909.
- Dutton, D. L.** *Osmunda cinnamomea* forma *angusta*. Fern Bull. 17: 89, 90. [S] 1909.
- Eckerson, S.** On the demonstration of the formation of starch in leaves. Bot. Gaz. 48: 224-228. 18 S 1909.
- Foslie, M.** Algologiske notiser — VI. Kgl. Norske Vid. Selsk. Skr. 1909<sup>2</sup>: 1-63. 1909.  
Includes *Lithophyllum imitans* and *L. dispar* spp. nov., from California and Washington, respectively.
- Fries, R. E.** Über einige Gasteromyceten aus Bolivia und Argentinien. Ark. Bot. 8<sup>11</sup>: 1-34. *pl.* 1-4. 9 F 1909.
- Fries, R. E.** Zur Kenntnis der Blattmorphologie der Bauhinien und verwandter Gattungen. Ark. Bot. 8<sup>10</sup>: 1-16. *pl.* 1-16. 11 F 1909.
- Gates, R. R.** The behavior of the chromosomes in *Oenothera lata* × *O. gigas*. Bot. Gaz. 48: 179-199. *pl.* 12-14. 18 S 1909.
- Graenicher, S.** Wisconsin flowers and their pollination. Bull. Nat. Hist. Soc. Wisconsin 7: 19-77. Ap 1909.
- Greene, E. L.** Novitates boreali-americanæ — III. Species novæ generis *Aconiti*. Repert. Nov. Spec. 7: 1-6. 1 Ap 1909; — IV. Repert. Nov. Spec. 7: 195-197. 15 Au 1909; — V. Species novæ generis *Thalictri*. Repert. Nov. Spec. 7: 252-255. 20 S 1909.  
New species in *Aconitum* (17); in *Gutierrezia* (3), *Chrysothamnus*, *Solidago*, *Samolus* (2); and in *Thalictrum* (8).
- Gregory, L. H.** Notes on the effect of mechanical pressure on the roots of *Vicia Faba*. Bull. Torrey Club 36: 457-462. *f.* 1-4. 3 S 1909.
- Gürke, M.** *Cephalocereus De Laetii* Gürke n. sp. Monats. Kakteenk. 19: 116-121. 15 Au 1909. [Illust.]
- Heald, F. D.** A species of *Discosia* on living bull pine seedlings. Mycologia 1: 215-217. *pl.* 14. 11 S 1909.
- H[emsley], W. B.** Revision of Alexander Prior's Jamaica collection. Kew Bull. Misc. Inf. 1909: 317, 318. 1909.
- Hickel, R.** *Agave americana* et *Opuntia Ficus-indica*. Bull. Soc. Dendr. France 1909: 157-162. 15 Au 1909.
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- Hume, H. H.** Non-fruiting of Japan persimmons due to lack of pollen. Science II. **30**: 308, 309. 3 S 1909.
- Hutchinson, J.** *Exostemma subcordatum*. Curt. Bot. Mag. IV. **5**: pl. 8274. S 1909.
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- Kern, F. D.** A notable species of *Gymnosporangium* from Colorado. Mycologia **1**: 208-210. f. 2. 11 S 1909.  
*G. multiporum* Kern sp. nov.
- Kershaw, E. M.** The structure and development of the ovule of *Myrica Gale*. Ann. Bot. **23**: 353-362. pl. 24. + f. 1, 2. Jl 1909.
- Kindberg, N. C.** Notes on the synonymy of European and North American *Bryineae*. Rev. Bryol. **36**: 115-117. S 1909.
- Kunze, R. E.** *Mamillaria Golziana* Ferd. Haage jun. Monats. Kakteenk. **19**: 100. 15 Jl 1909. [Illust.]
- Lindman, C. A. M.** Ueber den floralen Syndimorphismus einiger Festuceen. Ark. Bot. **8**<sup>12</sup>: 1-17. f. 1-6. 23 Mr 1909.
- Marquette, W.** Concerning the organization of the spore mother-cells of *Marsilia quadrifolia*. Trans. Wisconsin Acad. **16**: 81-106. pl. 8, 9. 1909.
- McAllister, F.** The development of the embryo sac of *Smilacina stellata*. Bot. Gaz. **48**: 200-215. pl. 15. 18 S 1909.
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- Moffatt, W. S.** The higher fungi of the Chicago region. Part I. The *Hymenomycetes*. Nat. Hist. Surv. Acad. Sci. Chicago Bull. **7**<sup>1</sup>: 1-156. pl. 1-24. Je 1909.
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- Nash, G. V.** The aquatic garden. Jour. N. Y. Bot. Gard. **10**: 205-208. pl. 69. S 1909.

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